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Notice of Allowability	Application No.	Applicant(s)	
	10/672,395	YU ET AL.	:
	Examiner	Art Unit	:
	Thanh T. Nguyen	2813	:

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Notice of Allowability	Examiner	Art Unit	:
	Thanh T. Nguyen	2813	:
The MAILING DATE of this communication appear. All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIC of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in or other appropriate commune GHTS. This application is su	this application. If not inc nication will be mailed in c	luded due course. THIS
1. This communication is responsive to 8/16/04.			
2. ⊠ The allowed claim(s) is/are <u>1 and 3-33</u> .			:
3. 🗵 The drawings filed on <u>26 September 2003</u> are accepted by	the Examiner.		:
4. ☐ Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONME	been received. been received in Application uments have been received of this communication to file	n No in this national stage app	
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives to complete the control of	s reason(s) why the oath or be submitted. on's Patent Drawing Review Amendment / Comment or Comment or the header according to 37 CFF	declaration is deficient. (PTO-948) attached in the Office action of drawings in the front (not 1.121(d). RIAL must be submitte	t the back) of
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Su Paper No./N 7. ☐ Examiner's A	ormal Patent Application (mmary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for	

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Claims 1, 3-33 are allowed because none of the prior art teaches or suggests the particular subset of the process steps in forming depositing a metal seed layer on the diffusion barrier layer, removing the metal seed layer above the electroconductive layer by a first planarization process, forming a metal layer on the metal seed layer by a selective electrochemical deposition to fill the opening and performing a second planarization process o that the metal layer becomes coplanar with the dielectric layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Nguyen whose telephone number is (571) 272-1695, or by Email via address Thanh.Nguyen@uspto.gov. The examiner can normally be reached on Monday-Thursday from 6:00AM to 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr., can be reached on (571) 272-1702. The fax phone number for this Group is (703) 872-9306.

Art Unit: 2813

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956 (See MPEP 203.08).

Thanh Nguyen
Patent Examiner

Patent Examining Group 2800

TTN